VISION OF AEROSPACE COMMAND AND CONTROL FOR THE 21ST CENTURY

Summary recommendations from the Vision of Aerospace Command and Control Study (1997) follow below:

1. The Air Force should adopt the following strategy of migration towards vision achievement:

➢ Focus on ACTDs to "jump start" operations concept development in concert with developing technologies.

NOTE: Vision is: Global command and control of aerospace forces throughout the spectrum of military operations by exploiting information to know, predict, and dominate the battlespace.

Mission is: Engage aerospace forces to observe, shape, and affect the battlespace and to operate these forces in a joint or coalition environment as directed.

➢ Link selected ACTDs to specific Air Force C2 systems with top-level program objectives that would be adjusted by the ACTDs' progress.

➢ Identify general opportunities for costing offsets

➢ Obtain a conceptual understanding of what new technologies have to offer the warfighter

➢ Make improvements in command and control, communications, reconnaissance and surveillance platform 'right sizing,' data warehousing, and integrated command center information fusion and display.

2. The Air Force needs to undertake the following process improvements:

➢ Institutionalize a process to assure it can rapidly exploit technology advances as it continues to modernize its C2 systems

➢ Create a C2 Enterprise to institutionalize the changes needed in requirements, PPBS (program, planning, and budgeting system), technology, acquisition, training, organization, and doctrine.

➢ The Air Force should restructure its corporate process for modernizing C2 to meet the following needs:
   (1) Consolidate and integrate mission needs for conducting C2 in a joint and coalition environment.
   (2) Focus the corporate Planning, Programming, and Budgeting System structure on advocating and managing an integrated C2 program.
   (3) Develop a methodology and tools to determine the value of new capabilities
   (4) Be able to rapidly select, mature, and field new C2 capabilities
   (5) Organize, train, equip, and provide for common C2 across the Air Force
   (6) Continually evaluate and evolve C2 operational concepts and doctrine

2. Air Force process improvements (continued)

➤ To meet these needs the Air Force should create a C2 Enterprise area to focus leadership and resources on C2 and:
  (1) Break down the requirements and funding stovepipes by establishing a corporate-level operational advocate for C2 who is responsible for integrating C2 strategic planning, requirements, and financial planning across all mission areas, as well as advocating cross-cutting C2 needs
  (2) Implement an evolutionary requirements and acquisition process which allows rapid technology insertion and drives the evolution requirements and doctrine to make the maximum operational use of new opportunities

3. The Air Force should take the following first steps to initiate the Command and Control (C2) Enterprise immediately:

➤ Create an Air Staff-level organization within XO with responsibility for C2.

➤ Charter a C2 General Officer Steering Group (GOSG) as the C2 Enterprise Board of Directors.

➤ Integrate financial planning into a single resource panel

➤ Start a C2 strategic planning function

➤ Establish funding for the C2 engine infrastructure

➤ Build a prototype evolution process.

➤ Establish a demonstration facility in the National Capital Region